**Math:**

Teaching Reflection (15 points): You will choose two instructional routines to teach in your practicum classroom. A list of routines will be posted in the assignment section of Sakai. These routines are meant to challenge the rote learning and algorithmic strategies that dominate math classrooms. Instead, they will be used to help students build connections between ideas and make meaning of the mathematics. The reflection should include the following: a) a description of the two routines you chose b) how it went in the classroom, including details on how the students engaged mathematically in each routine and c) a section on what you would do differently the next time you engage students in these activities. The reflection should be 2-3 pages double-spaced.

**Social Studies:**

## Observation Paper: For this assignment, each student will observe and take notes during an elementary social studies lesson. Students should write-up the event in a narrative format (more guidance to be provided in class), and then provide an analysis with reference to course readings and discussions. 5-6 pages (> 1250 words).

**Literacy:**

Cross-content Literacy Investigation Paper & Discussion: The classrooms you will be visiting during the course of the semester will bring relevant practical learning opportunities to our course. We can identify both problems of practice, as well as highlighting success in our classrooms. As reflective teachers, you will actively connect your professional reading to what you see and do in the classroom. For this paper, you will write a detailed description of observed literacy learning/teaching, describe/explain your reaction, and connect to research/professional texts to support your analysis. For example, if you observe effective instruction, you could link to articles that help you to more deeply understand the rationale for the observed practice. If what you observe does not seem effective, you will link to research that suggests how you might do things differently. Once you have finished your paper you will share what you learned with a small group during a Roundtable Discussion*.* Note: In addition to course readings, you will cite at least two peer-reviewed articles located/read for this assignment (readings not required for GSE courses).

**Science:**

One-on-one Activity- As part of your field work, you will need to make arrangements with the cooperating teacher so that you can conduct a one-on-one activity with an elementary grade level student. Please select a science activity that we explored together in class. You will be asked to work through the activity with the elementary student on a one-on-one basis and write a synopsis of what transpired. Include the lesson plan that you developed and used; it should cite the NJ Science Content Standards for the activity. This will count toward 15% of the final grade awarded, and it will be collected on Wednesday, October 24, 2012.